

Winding Type Chip Inductor

SNL252018CF-SERIES

1. Features

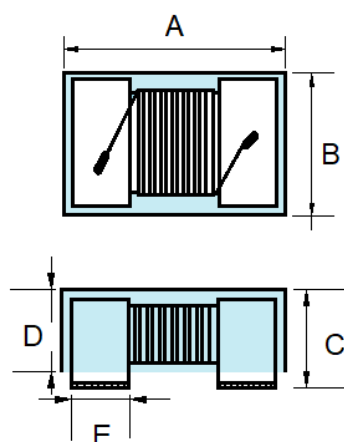
1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
5. Operating temperature-40~+125°C (Including self - temperature rise)



2. Application

Smart meters, AV equipment, xDSL, electronic devices for communications infrastructure such as mobile base stations, industrial equipment, other

3. Dimension



Size	A	B	C	D	E
SNL252018	2.50±0.30	2.00±0.30	1.80±0.10	1.50±0.10	0.45ref

4. Part Numbering

SNL	252018	C	F	-	1R0	M
A	B	C	D		E	F

A: Series

B: Dimension

L x W x H

C: Application

DC Power Line

D: Lead free type

E: Inductance

1R0=1.0uH

F: Inductance Tolerance

K=±10%, M=±20%

5. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance	L / Q Frequency (MHz)	Q ref	SRF(MHz) ref	DCR(Ω) ±30%	IDC1(A) Max	IDC2(A) Max
SNL252018CF-1R0□	1.00	K,M	7.96	20	300	0.140	0.475	1.000
SNL252018CF-1R5□	1.50	K,M	7.96	20	250	0.180	0.435	0.890
SNL252018CF-2R2□	2.20	K,M	7.96	20	200	0.270	0.390	0.730
SNL252018CF-3R3□	3.30	K,M	7.96	20	100	0.440	0.340	0.570

TAI-TECH Part Number	Inductance (uH)	Tolerance	L / Q Frequency (MHz)	Q ref	SRF(MHz) ref	DCR(Ω) $\pm 30\%$	IDC1(A) Max	IDC2(A) Max
SNL252018CF-4R7□	4.70	K,M	7.96	20	60	0.570	0.285	0.500
SNL252018CF-6R8□	6.80	K,M	7.96	20	55	0.920	0.275	0.390
SNL252018CF-100□	10.00	K,M	2.52	15	40	1.690	0.210	0.360
SNL252018CF-150□	15.00	K,M	2.52	20	35	2.200	0.175	0.250
SNL252018CF-220□	22.00	K,M	2.52	20	20	2.800	0.160	0.200
SNL252018CF-330□	33.00	K,M	2.52	20	18	4.200	0.120	0.150

6. Recommended PC Board Pattern

Chip size							Land Patterns For Reflow Soldering		
Series	Type	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	L(mm)	G(mm)	H(mm)
SNL	252018	2.50±0.3	2.10±0.3	1.80±0.1	1.50±0.1	0.45ref	3.50	1.50	1.50

